

# Agricultural Byproducts, Profitable Use of

U T A H   S T A T E   U N I V E R S I T Y

## CENTER

The Center for Profitable Use of Agricultural Byproducts was established to commercialize technologies utilizing agricultural production and processing byproducts. Waste materials of little or no value are transformed into energy and other salable items using technology developed at the center.

## TECHNOLOGY

The USU technology has two basic components: 1) an induced sludge bed anaerobic reactor that can produce energy (biogas) and soil amendment from manure and food processing waste, and 2) a high rate aerobic (drum composter based) bioreactor that make the system more cost effective, and the products produced by the process more valuable. The scalable, modular system is reliable and easily managed.

## ACCOMPLISHMENTS

There are now three plants in Utah which are fully operational and producing electricity. One of these plants generates enough electricity to power its own farm and then put enough electricity back into the grid to earn a monthly check of \$1,000 or more from PacifiCorp! There is now one issued and one pending patent on the technology, and a new Utah company, Andigen, has been formed to build the anaerobic systems on farms. Increased funding has been flowing from the USDA and DOE, and commercial interest is growing throughout the Western U.S.



## THINK TANK

**What if there was...**

**A technology that took agricultural waste of little or no value and turned it into electricity and salable products???**

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